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Message Text

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TO AMEMBASSY MOSCOW

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E.O. 11652: N/A

TAGS: TGEN, UR, US

SUBJECT: US-USSR S&T AGREEMENT: WATER RESOURCES 01.12

REF: STATE 272793

1. REQUEST EMBASSY TRANSMIT FOLLOWING FROM BUTCHER TO BORODAVCHENKO WITH COPY TO AYKAZYAN:

2. 01.12 - DECEMBER 6, 1976

I. I. BORODAVCHENKO
DEPUTY MINISTER OF RECLAMATION AND
WATER MANAGEMENT
MOSCOW, USSR

DEAR MR. MINISTER:

MR. AYKAZYAN RECENTLY SUGGESTED TO MR. ROOT THAT THE U.S. SIDE PREPARE THE FIRST DRAFT OF A JOINT REPORT FROM OUR WORKING GROUP TO BE SUBMITTED TO THE JOINT COMMISSION IN ADVANCE OF ITS NEXT MEETING SCHEDULED TO BE HELD FOR
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FEBRUARY 2 IN WASHINGTON. SUCH A DRAFT IS ENCLOSED WITH

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THIS LETTER.

THE REFERENCE IN THE RECOMMENDATIONS SECTION TO PRINCIPAL JOINT ACTIVITY BEING ON WASTE WATER FOR IRRIGATION AND ON PLASTICS IN CONSTRUCTION MEANS TO US LIMITING OTHER ACTIVITY AS FOLLOWS:

01.120101 PROSPECTIVE PLANNING AND MANAGEMENT: COMPLETION DURING 1977 OF FINAL REPORT ON 1974-1976 JOINT ACTIVITIES, ENTITLED: "SYSTEMS FOR PLANNING AND MANAGING WATER RESOURCES IN RIVER BASINS"; NO FURTHER EXCHANGES OF PERSONNEL UNLESS SPECIFIC QUESTIONS SHOULD BE IDENTIFIED WARRANTING TRAINING OF SOVIET TECHNICAL SPECIALISTS IN THE US OR SENDING US TECHNICAL SPECIALISTS TO THE USSR FOR CONSULTATIONS.

01.120102 DESIGN AND CONSTRUCTION OF WATER PROJECTS: SOVIET PREPARATION OF A PUBLICATION ON DESIGN AND CONSTRUCTION OF LARGE CANALS; US PREPARATION OF A PUBLICATION ON LARGE PUMPS AND PUMPING PLANTS; US SPECIALISTS TO VISIT USSR IN SPRING OF 1977 TO PROVIDE TECHNICAL ASSISTANCE IN THE EVENT THE USSR DECIDES TO CONSTRUCT IN THE USSR A FULL-SCALE HYDRAULIC MODEL OF A LARGE CANAL; SOVIET VISIT TO US IN MAY 1977 TO DISCUSS CONSTRUCTION OF LARGE CANALS.

01.120103 IRRIGATION WATER QUALITY: AN OUTLINE OF THE FINAL REPORT AND COMMENTS ARE TO BE EXCHANGED IN DECEMBER 1976 AND THE FINAL REPORT IS TO BE COMPLETED BY MAY 1977.

01.0202 COLD WEATHER CONSTRUCTION: TRANSFERRED TO ENERGY AGREEMENT.

01.0203 AUTOMATION AND REMOTE CONTROL OF WATER SYSTEMS: CONCLUDE THIS PROJECT WITH THE COMPLETION OF A JOINT GLOSSARY OF WATER SYSTEMS AUTOMATION TERMS AND A MANUAL ON AUTOMATED WATER SYSTEMS CONTROL METHODS.

I LOOK FORWARD TO RECEIVING YOUR COMMENTS ON THE ENCLOSED UNCLASSIFIED

DRAFT AND ON THE ABOVE INTERPRETATION THEREOF.

SINCERELY YOURS,

WILLIAM BUTCHER
US CHAIRMAN JOINT WORKING GROUP
ON WATER RESOURCES

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CC:MR. AYKAZYAN

ENCLOSURE

DRAFT REPORT FROM WATER RESOURCES WORKING GROUP TO JOINT COMMISSION

THE JOINT WORKING GROUP ON WATER RESOURCES WAS ESTABLISHED IN SEPTEMBER 1972. THE JOINT COMMISSION APPROVED THE FOLLOWING FOUR PROJECTS AT ITS FIRST MEETING IN MARCH 1973:

PLANNING, UTILIZATION, AND MANAGEMENT OF WATER RESOURCES;

COLD WEATHER CONSTRUCTION TECHNIQUES;

METHODS AND MEANS OF AUTOMATION AND REMOTE CONTROL IN WATER RESOURCE SYSTEMS;

PLASTICS IN CONSTRUCTION.

ACCOMPLISHMENTS:

PLANNING, UTILIZATION AND MANAGEMENT OF WATER RESOURCES:

IN THE SUB-PROJECT ON PROSPECTIVE PLANNING AND MANAGEMENT, THERE HAVE BEEN SEVERAL EXCHANGES OF DELEGATIONS AND A LARGE EXCHANGE OF TECHNICAL BOOKS AND PUBLICATIONS, WITH EMPHASIS ON MANAGING RIVER BASINS, AND A FINAL REPORT ON JOINT ACTIVITIES IS BEING PREPARED. IN THE SUB-PROJECT ON DESIGN AND CONSTRUCTION OF WATER PROJECTS, TECHNICAL MEETINGS HAVE PROVIDED THE BASES FOR REPORTS NOW IN PREPARATION ON LARGE CANALS AND ON PUMPING STATIONS. IN UNCLASSIFIED

THE SUB-PROJECT ON IRRIGATION WATER QUALITY, OVER 300 REPORTS ON PUBLICATIONS HAVE BEEN EXCHANGED AND A FINAL REPORT IS EXPECTED TO BE COMPLETED BY MAY 1977.

COLD WEATHER CONSTRUCTION TECHNIQUES: CONSTRUCTION OF EARTH AND ROCK-FILLED AND CONCRETE DAMS HAVE BEEN INSPECTED IN SIBERIA AND ALASKA AND TECHNICAL REPORTS HAVE BEEN EXCHANGED.

AUTOMATION AND REMOTE CONTROL OF WATER SYSTEMS: DATA ON DIFFERENT TECHNOLOGICAL APPROACHES AT EXPERIMENTAL AUTOMATION PROJECTS IN EACH COUNTRY ARE BEING EXCHANGED. A GLOSSARY OF AUTOMATION TERMS AND A MANUAL ON AUTOMATIC CONTROL METHODS ARE BEING JOINTLY PREPARED.

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PLASTICS IN CONSTRUCTION: IN THE SUB-PROJECT ON PLASTIC FILMS AND SOIL STABILIZERS, DRAFTS OF A GLOSSARY HAVE BEEN EXCHANTED, SOVIET AND US PVC AND PE FILMS FOR CANAL

LININGS HAVE BEEN TESTED BY BOTH COUNTRIES, US SPECIFICATIONS AND MATERIALS FOR CANAL LINING TEST SECTIONS HAVE BEEN SENT TO THE USSR UKRAINIAN FIELD TEST STATION BLACK SEA CANAL WHERE CONSTRUCTION OF THE TEST SECTIONS HAS BEGUN, A STUDY APPROACH FOR A JOINT FIELD EXPERIMENT WITH PLASTIC LININGS ON THE KAKHOVKA CANAL HAS BEEN AGREED, PLANS FOR STUDY SECTIONS TO BE CONSTRUCTED IN AN OPERATING CANAL IN EACH COUNTRY HAVE BEEN AGREED AND DESIGN DRAWINGS FOR THE US STUDY SECTIONS ON THE AMARILLO CANAL HAVE BEEN SENT TO THE USSR, TECHNICAL DATA AND SAMPLES OF VARIOUS SOIL STABILIZER MATERIALS HAVE BEEN EXCHANGED FOR LABORATORY TESTS (200-LITER DRUMS OF US MATERIALS SHIPPED TO THE USSR AND 200-LITER DRUMS OF SOVIET MATERIALS SHIPPED TO THE US), AND STUDY PROGRAMS AT THREE LOCATIONS IN THE USSR AND ONE LOCATION IN THE US FOR JOINT FIELD STUDIES ON SOIL STABILIZERS HAVE BEEN AGREED. IN THE SUB-PROJECT ON PLASTIC CONDUITS FOR IRRIGATION AND DRAINAGE, TERMS APPROPRIATE TO PLASTIC PIPE WILL BE ADDED TO THE PLASTIC FILM AND SOIL STABILIZER GLOSSARY, TECHNICAL REPORTS HAVE BEEN EXCHANGED, A PROGRAM FOR EXCHANGE OF SAMPLES OF PLASTIC PIPE AND ENVELOPE MATERIALS HAS BEEN AGREED
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AND SAMPLES ARE BEING PREPARED FOR SHIPMENT, THE BASIC PARAMETERS FOR A TWO-COUNTRY DRAINAGE FIELD EXPERIMENT INVOLVING THREE SIZES OF DRAIN TUBING HAVE BEEN AGREED, AND THREE TOPICS FOR FUTURE JOINT STUDY HAVE BEEN IDENTIFIED: LABORATORY INVESTIGATION OF RAW MATERIALS, PROBLEMS OF BACTERIA AND SLUDGE FORMATION IN THE USE OF PLASTIC DRAIN TUBING, AND PLASTIC TUBING AND EMITTERS FOR DRIP IRRIGATION SYSTEMS. IN THE SUB-PROJECT ON POLYMER CONCRETE, A PRELIMINARY EXCHANGE OF TECHNICAL LITERATURE HAS TAKEN PLACE AND A GENERAL PROGRAM FOR JOINT STUDIES AGREED.

SUMMARY: IN THE WATER RESOURCES AREA, SAMPLES OF PLASTIC FILMS FOR CANAL LININGS AND OF SOIL STABILIZERS HAVE BEEN EXCHANGED FOR TESTING.

RECOMMENDATIONS: IT IS RECOMMENDED THAT THE COMMISSION NOTE:

1) THE EXCHANGE OF LETTERS IN NOVEMBER 1976 BETWEEN THE JOINT COMMISSION CO-CHAIRMEN APPROVING THE TRANSFER OF THE PROJECT ON COLD WEATHER CONSTRUCTION TO BECOME A

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SECOND GROUP UNDER THE ENERGY AGREEMENT PROJECT ON DESIGN AND OPERATION OF HYDROELECTRIC POWER STATIONS;

2) THE EXPECTED COMPLETION WITHIN THE NEXT FEW MONTHS OF SUB-PROJECTS ON PROSPECTIVE PLANNING AND MANAGEMENT AND

IRRIGATION WATER QUALITY AND OF THE GLOSSARY AND MANUAL PORTIONS OF THE PROJECT ON METHODS AND MEANS OF AUTOMATION AND REMOTE CONTROL IN WATER RESOURCE SYSTEMS; AND

3) THAT THE PRINCIPAL JOINT ACTIVITY IN THE WATER RESOURCES AREA WILL BE UNDER THE WASTE WATER FOR IRRIGATION SUB-PROJECT OF THE PLANNING, UTILIZATION AND MANAGEMENT PROJECT AND ON THE PLASTICS IN CONSTRUCTION PROJECT; HOWEVER EACH SIDE WILL BE RESPONSIVE TO THE FURTHER ACTIVITIES BY THE OTHER UNDER THE REMAINING PROJECTS SUBJECT TO AVAILABILITY OF RESOURCES. ROBINSON

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